

AMENDMENTS TO THE CLAIMS

The listing of the claims will replace all prior listings of claims in the application.

Listing of Claims

1. (Currently Amended) A graphic display apparatus for displaying a graphic which is represented by binary bit map data comprising:

a display device including a plurality of sub-pixels; and

a control section for controlling the display device,

wherein the plurality of sub-pixels form a plurality of groups,

each of the plurality of groups includes a predetermined plural number of sub-pixels, and

at least one color element is pre-assigned to each of the plurality of sub-pixels, and the intensity of each of the at least one color element is represented in a stepwise fashion through a plurality of color element levels,

the control section assigns bits ~~each of bits~~ included in the binary bit map data to one group of the plurality of groups and ~~displays the graphic by controlling sub-pixels included in the one group of the plurality of groups based on information about the bits located in the a vicinity of the bit bits assigned to the one group of the plurality of groups~~[[L]]

the control section defines at least one sub-pixel included in the one group of the plurality of groups as a basic portion of the graphic to be displayed on the display device

based on the information about the bits located in a vicinity of the bits assigned to the one group of the plurality of groups, and

the control section sets a color element level of at least one sub-pixel corresponding to the basic portion of the graphic to a predetermined color element level, and sets a color element level of at least one sub-pixel adjacent to at least one sub-pixel corresponding to the basic portion of the graphic to a color element level different from the predetermined color element level.

2. (Cancelled)

3. (Currently Amended) A The graphic display apparatus according to claim 1, wherein the control section ~~controls the sub-pixels included in the one group of the plurality of groups~~ defines at least one sub-pixel included in one group of the plurality of groups as the basic portion of the graphic based on information about continuity of the bits located in the vicinity of the bit bits corresponding to the one group of the plurality of groups.

4. (Cancelled)

5. (Currently Amended) A The graphic display apparatus according to claim [[4]] 1, wherein the control section adjusts a width of a line of the graphic to be displayed on

the display device by controlling the number of sub-pixels corresponding to the basic portion of the graphic.

6. (Currently Amended) A The graphic display apparatus according to claim [[4]] 1, wherein the control section adjusts a width of a line of the graphic to be displayed on the display device by controlling the color element level of a sub-pixel adjacent to the at least one ~~particular~~ sub-pixel corresponding to the basic portion of the graphic.

7. (Currently Amended) A The graphic display apparatus according to claim [[4]] 1, wherein: each of the plurality of sub-pixels is controlled by converting the color element level to a brightness level according to a predetermined table; and the control section generates the predetermined table according to a characteristic of the display device.

8. (Currently Amended) A The graphic display apparatus according to claim 7, wherein the control section compares a characteristic of a reference display device and the characteristic of the display device and generates the predetermined table according to a difference in the characteristics.

9. (Cancelled)

10. (Cancelled)

11. (Currently Amended) A graphic display method for displaying a graphic which is represented by binary bit map data on a display device including a plurality of sub-pixels, wherein:

the display device includes a plurality of sub-pixels, the plurality of sub-pixels form a plurality of groups; each of the plurality of groups includes a predetermined plural number of sub-pixels; and at least one color element is pre-assigned to each of the plurality of sub-pixels, and the intensity of each of the at least one color element is represented in a stepwise fashion through a plurality of color element levels; and the method comprises steps of:

(a) assigning each of bits included in the binary bit map data to one group of the plurality of groups; and

(b) ~~displaying the graphic on the display device by controlling sub-pixels included in one group of the plurality of groups~~ defining at least one sub-pixel included in the one group of the plurality of groups as a basic portion of the graphic to be displayed on the display device based on information about the bits located in the a vicinity of the bit bits assigned to the one group of the plurality of the groups; and

setting a color element level of at least one sub-pixel corresponding to the basic portion of the graphic to a predetermined color element level, and setting a color element level of at least one sub-pixel adjacent to at least one sub-pixel corresponding to the basic portion of the graphic to a color element level different from the predetermined color element level.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Currently Amended) A program for allowing an information display apparatus ~~incorporating a display device including a plurality of sub-pixels~~ to execute a graphic display process, wherein:

the information display apparatus comprises a display device, the plurality of sub-pixels form a plurality of groups; each of the plurality of groups includes a predetermined plural number of sub-pixels; and at least one color element is pre-assigned to each of the plurality of sub-pixels, and the intensity of each of the at least one color element is represented in a stepwise fashion through a plurality of color element levels, and the graphic display process comprises steps of:

(a) assigning each of bits included in a binary bit map data to one group of the plurality of groups; and

~~(b) displaying a graphic on the display device by controlling sub-pixels included in one of the plurality of groups defining at least one particular sub-pixel included in the one group of the plurality of groups as a basic portion of the graphic to be displayed on the display device based on information about bits located in the a vicinity of the bit bits assigned to the one group of the plurality of the groups; and setting a color element level of at least one sub-pixel corresponding to the basic portion of the graphic to a predetermined color element level, and setting a color element level of at least one sub-pixel adjacent to at least one sub-pixel corresponding to the basic portion of the graphic to a color element level different from the predetermined color element level.~~

18. (Cancelled)

19. (Cancelled)

20. (Newly Added) A recording medium which can be read by an information display apparatus incorporating a display device, wherein

the display device includes a plurality of sub-pixels, the plurality of sub-pixels form a plurality of groups; each of the plurality of groups includes a predetermined plural number of sub-pixels; and at least one color element is pre-assigned to each of the plurality of sub-pixels, and the intensity of each of the at least one color element is represented in a stepwise fashion through a plurality of color element levels; and

the recording medium contains a program for allowing the information display apparatus to execute a graphic display process;

the graphic display process comprises:

assigning bits included in the binary bit map data to one group of the plurality of groups;

defining at least one particular sub-pixel included in the one group of the plurality of groups as a basic portion of the graphic to be displayed on the display device based on information about the bits located in a vicinity of the bits assigned to the one group of the plurality of groups; and

setting a color element level of at least one sub-pixel corresponding to the basic portion of the graphic to a predetermined color element level, and setting a color element level of at least one sub-pixel adjacent to at least one sub-pixel corresponding to the basic portion of the graphic to a color element level different from the predetermined color element level.